

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the above-identified application:

Listing of Claims:

1. (Canceled):
2. (Previously Presented): A method for rendering an image to one or more usable display areas of a clipped display window, the method comprising:
 - determining one or more trapezoids, wherein the trapezoids define usable display areas of the clipped display window based on parameters of one or more unusable display areas;
 - generating an image;
 - determining location of components of the generated image relative to the determined one or more trapezoids; and
 - rendering the components of the generated image that are determined to be located within the one or more trapezoids,wherein determining the one or more trapezoids comprises:
 - a) generating lines that define a boundary around all of the one or more usable display areas;
 - b) eliminating all lines being parallel to a predefined scan line direction;
 - c) setting a first flag for each line to the lines maximum coordinate in a first axial direction, the first axial direction being orthogonal to the scan line direction;
 - d) sorting the remaining lines into a list according to a sorting scheme;
 - e) generating a trapezoid based on the first two lines in the list and the next highest flag value of all the flags;
 - f) replacing the flag of the first and second lines with the next highest flag;
 - g) if the first flag for the first or second line is equal to the minimum coordinate of the respective line on the axis orthogonal to the scan line direction, eliminating that line; and
 - h) repeating d-g until all lines are eliminated.

3. (Original): The method of Claim 2, wherein sorting comprises:
setting a second flag for each line to a coordinate associated with the first flag in a second axial direction, the second axial direction being orthogonal to the first axial direction;
wherein the sorting scheme places lines with the highest first flag value first in the list and if lines have the same first flag value, place the line with the lower second flag value first in the list.

4. (Canceled)

5. (Canceled).

6. (Canceled).

7. (Canceled)

8. (Canceled).

9. (Canceled).

10. (Canceled)

11. (Currently Amended): A system ~~for rendering an image to one or more usable display areas of a clipped display window, the system comprising:~~
a display processor; and
a display coupled to the display processor and configured to display an image rendered by the display processor, the display including one or more usable display areas of a clipped display window,
wherein the display processor is configured to

~~a first component configured to render an image to one or more usable display areas of the clipped display window, the first component comprising:~~

~~a first subcomponent configured to determine one or more trapezoids, wherein the trapezoids define usable display areas of the clipped display window based on parameters of one or more unusable display areas;~~

~~a second subcomponent configured to generate an image;~~

~~a third subcomponent configured to determine location of components of the generated image relative to the determined one or more trapezoids; and~~

~~a fourth subcomponent configured to render the components of the generated image that are determined to be located within the one or more trapezoids,~~

~~wherein the processor is further configured to first subcomponent comprises:~~

~~a generating component configured to generate lines that define a boundary around all of the one or more usable display areas;~~

~~an eliminating component configured to eliminate all lines being parallel to a predefined scan line direction;~~

~~a first flag component configured to set a first flag for each line to the lines maximum coordinate in a first axial direction, the first axial direction being orthogonal to the scan line direction;~~

~~a sorting component configured to sort the remaining lines into a list according to a sorting scheme;~~

~~an image component configured to generate a trapezoid based on the first two lines in the list and the next highest flag value of all the flags;~~

~~a second flag component configured to replace the flag of the first and second lines with the next highest flag;~~

~~wherein, if the first flag for the first or second line is equal to the minimum coordinate of the respective line on the axis orthogonal to the scan line direction, the processor is further an eliminating component configured to eliminate that line; and~~

~~the processor further a repeating component configured to repeat until all lines are eliminated.~~

12. (Currently Amended): The system of Claim 11, wherein the processor is further
~~sorting component comprises:~~

~~a setting component~~ configured to set a second flag for each line to a coordinate
associated with the first flag in a second axial direction, the second axial direction being
orthogonal to the first axial direction;

wherein the sorting scheme places lines with the highest first flag value first in the list
and if lines have the same first flag value, place the line with the lower second flag value first in
the list.